



厦门嘉利施电子科技有限公司
XIAMEN AOT ELECTRONICS TECHNOLOGY CO.,LTD

Coin Cell Disc Cutter Machine Operating Manual

Model: AOT-DC60

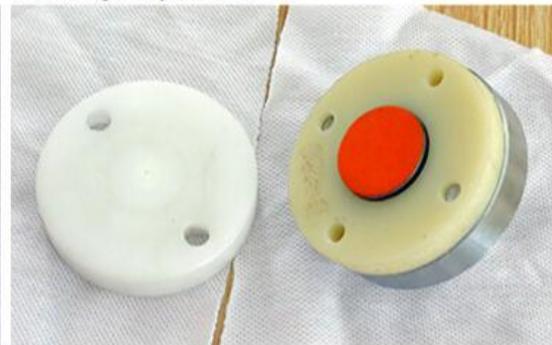


Different dies for cutting electrode and battery separator:

Battery electrode die



Battery separator die





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This machine is a compact disc cutter with quality sliding rail with ball bearing for precision cutting. It can be easily placed into a glove box via a transition chamber which the diameter larger than 230mm.

This tool is manually operated and is designed for cutting round discs from a thin metal sheet /foil (< 0.5 mm) or separator film (<30um). The finished discs can be used as electrode and separator discs for split test cell and coin cell, it is good for battery researchers as well as TEM sample preparation.

Features :

1. High accuracy ,no burrs,rags and dents .
2. It can cut various of battery materil with thinkness 0.005-0.5mm .
3. Small dimension, convenient operation, quick and flexible use into glovebox.
4. The machine body is made of anti-corrosion material that is anti-rust forever and has a nice appearance.
5. Dimension: About 110*150*235mm
6. Net Weight: About 7kg

Application Notes:

For make CR2016, CR2025 and CR2032 coin cell batteries:

we will need at least three cutting dies:(reference only)

A 14mm (for negative side case, which is 16.5mm in diameter)

B 16mm (for positive side case, which is 20mm in diameter)

C 18-20 mm (for separator to fully separate the electrodes)

For CR2450 coin cell:

20mm cutting die can be used for cutting electrode discs and the

24mm cutting die for either electrode or separator disc.

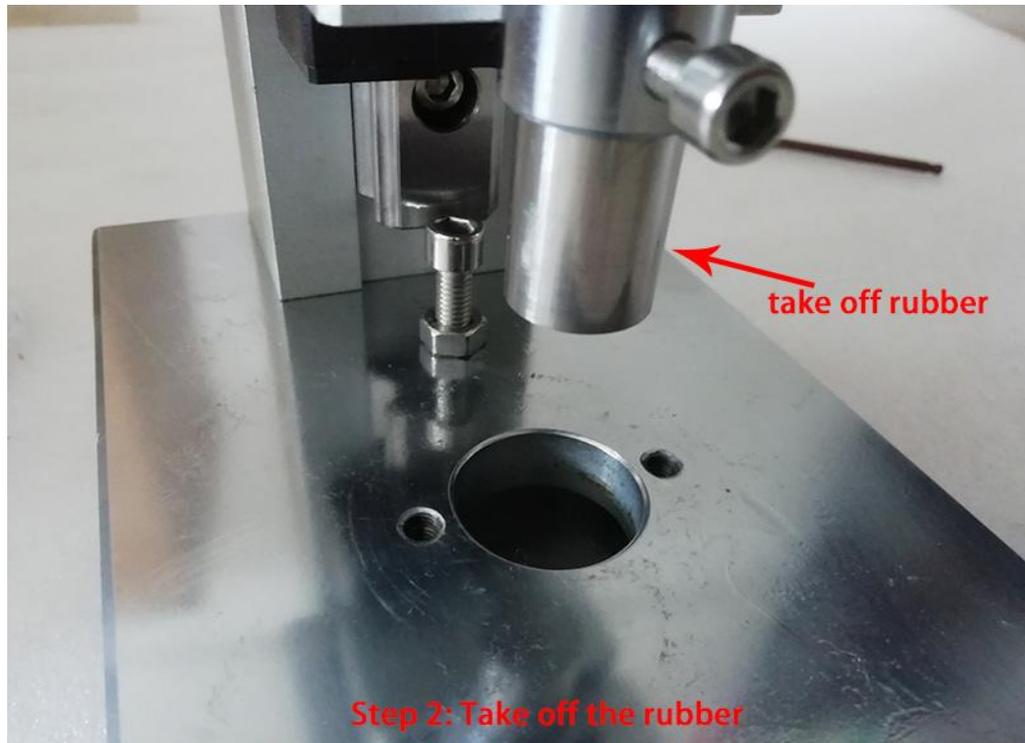
How to change the cutting dies.



Step1: Install upper die, and fasten it with screw.

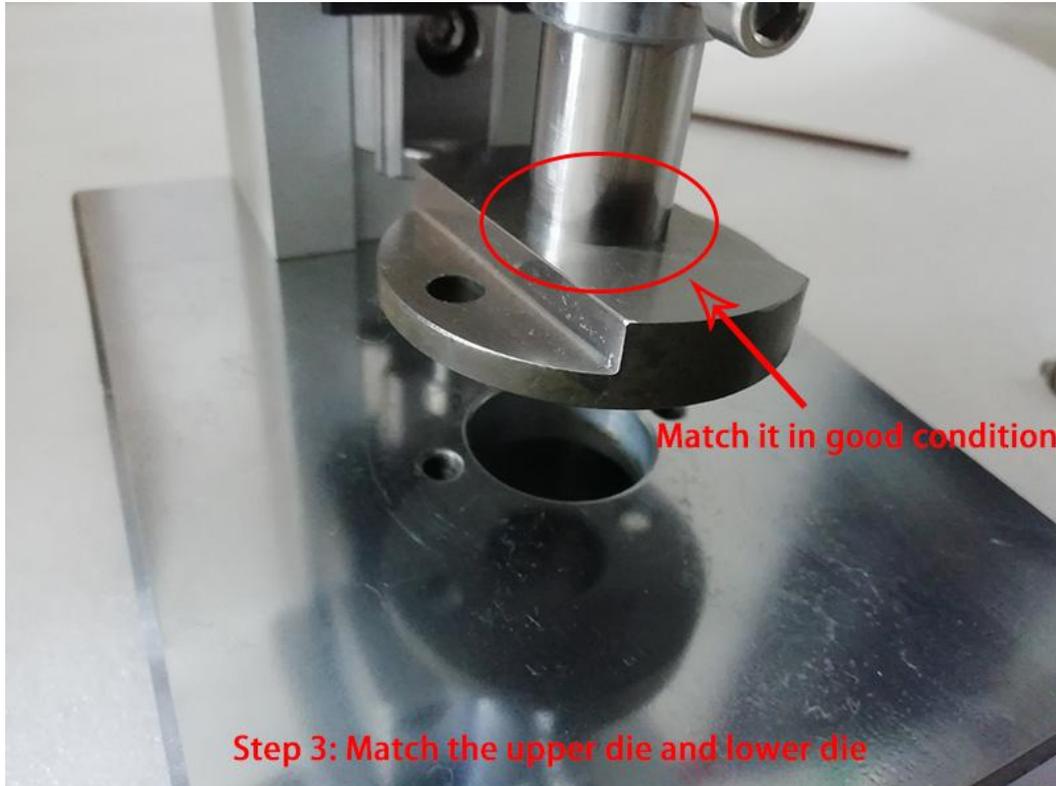


Step2: Take off the rubber which is on the upper die.

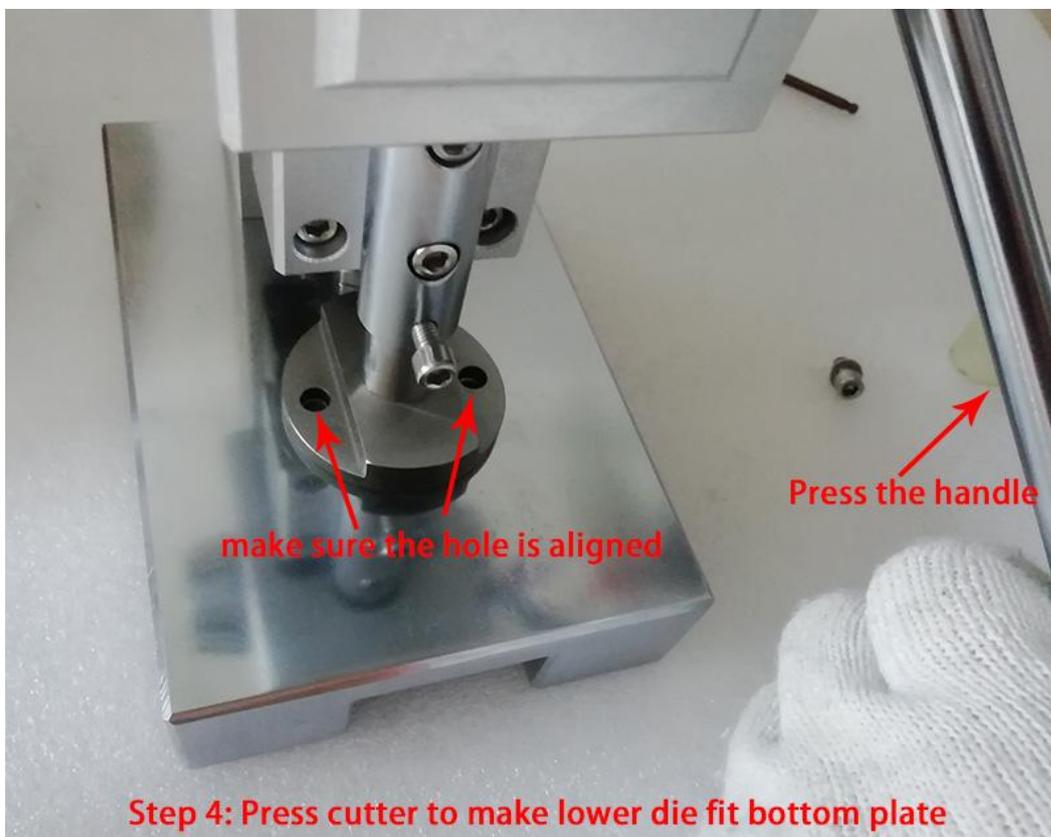




Step 3: Match the upper die and lower die, make them closed in a good condition.



Step 4: Press the handle and hold on, make sure the holes are aligned.





Step 5: Fit and fasten the screws by the wrench, and then loosen the handle.



Step 6: Put on the rubber, then you can start cutting battery electrode

